

9

the reference surface when the lower pin portions are moved in a second direction; and wherein, the upper pin portions are retracted below the reference surface when the lower pin portions are moved in the first direction by compression of the compressible elements.

2. The apparatus of claim 1 wherein the decks define therebetween a plurality of chambers between a front and a rear of the apparatus with terminal ends of each of the chambers exposed thereby creating an open channel whereby a flushing fluid may be directed through the chambers in a direction orthogonal to the first and second directions of movement of the Braille pins.

3. The apparatus of claim 1 wherein the Braille pins are spaced apart and positioned to produce Braille text and graphical patterns.

4. The apparatus of claim 1 wherein the upper pin portion of each of the Braille pins has an upper body and a top shoulder positionable in contact with the upper deck whereupon the upper body is above the reference surface thereby determining a sensible position of the Braille pins.

10

5. The apparatus of claim 4 wherein the lower pin portion has a lower body and a bottom shoulder positionable in contact with the lower spaced apart deck when the upper body is below the reference surface thereby determining a non-sensible position of the Braille pin.

6. The apparatus of claim 1 wherein the compressible element are a coil spring having squared and ground opposing ends, the upper and lower pin portions fitted into opposing ends of the coil spring.

7. The apparatus of claim 5 wherein the lower body of each of the Braille pins is in sliding contact with a linear actuator, the linear actuator positioned and enabled for moving the Braille pins axially in cyclical motion.

8. The apparatus of claim 1 wherein the aperture pairs in the upper deck are convergent toward the reference surface and a top shoulder of each of the upper portions of the pins are rounded, whereby, the pins are centered within the aperture pairs in the upper deck when the top shoulders contact the aperture pairs.

\* \* \* \* \*